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Water Supply Outlook
For
Wyoming





SOIL CONSERVATION SERVICE U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

STATE ENGINEER of WYOMING

FEB. 1, 1980

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: THE SNOTEL PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
SIAIF	ADDRESS

Alaska Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504

Arizona Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025

Colorado (N. Mex.) P. O. Box 17107, Denver, Colorado 80217

Idaho Room 345, 304 N. 8th. St., Boise, Idaho 83702

Montana P. O. Box 98, Bozeman, Montana 59715

Nevada P. O. Box 4850, Reno, Nevada 89505

Oregon 1220 S. W. Third Ave., Portland, Oregon 97204

Utah 4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138

Washington 360 U. S. Court House, Spokane, Washington 99201

Wyoming P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W, Calgary, Alberta T3C 1A6.



- NOTICE -

Recently, a mailing was made of "Summary of Snow Survey Measurements - Wyoming." Snow survey measurements from 1919 through the 1978 season for all active snow courses in Wyoming are summarized in this report. If you did not receive a copy and have need for this report, please return this sheet with your name and address and we will mail you a copy.

Organization_		 	· 	
Address				

(FOLD HERE)

UNITED STATES
DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. BOX 2440
CASPER, WYOMING 82601

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SNOW SURVEY SUPERVISOR SOIL CONSERVATION SERVICE P.O. BOX 2440 CASPER, WYOMING 82601



WATER SUPPLY OUTLOOK FOR WYOMING

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

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FRANK S. DICKSON, JR.

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In Cooperation with

GEORGE L. CHRISTOPULOS

STATE ENGINEER
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SOIL CONSERVATION SERVICE P.O. BOX 2440 CASPER, WYOMING 82601



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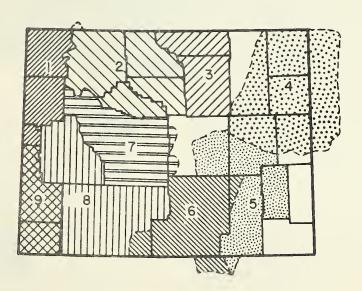
Prospective Water Supplies for Wyoming - Map
Water Supply Outlook for Wyoming - Statewide Summary
Water Supply Outlook by Major Watershed Areas

- Area 1 Snake, Madison and Upper Yellowstone Watersheds
- Area 2 Bighorn Basin
- Area 3 Powder and Tongue River Watersheds
- Area 4 Belle Fourche and Cheyenne River Watersheds
- Area 5 Lower North Platte River Watershed
- Area 6 Upper North Platte and Little Snake River Basins
- Area 7 Wind River Basin and Sweetwater River Watershed
- Area 8 Upper Green River Basin
- Area 9 Lower Green River and Bear River Watersheds

Basic Data Supplement 1 - Snow data

Basic Data Supplement 2 - Precipitation data

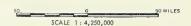
Map and Index of Wyoming Snow Measuring Sites

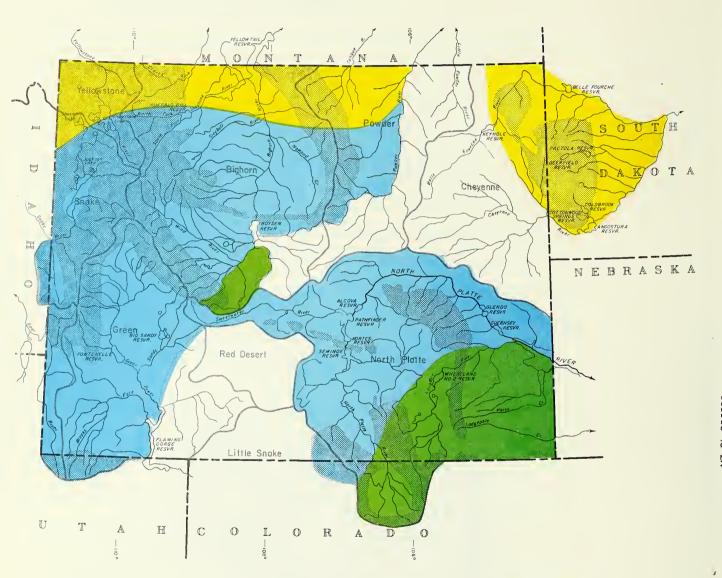


WATERSHED AREA LOCATIONS

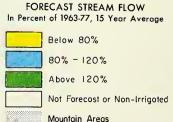
PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

February 1, 1980









MY-0L-22029

WYOMING SUMMARY as of FEBRUARY 1, 1980

SNOWPACK

Mountain snowpacks throughout the state vary from a high of 37 percent above normal to a low of 37 percent below normal. Southeastern Wyoming has been the center of a number of major winter storms leaving a 10 to 37 percent higher than usual snowpack. The remainder of the state is near to below normal with greatest shortages in northern drainages such as the Tongue, Powder River, Shoshone, Clarks Fork, Yellowstone, and Madison Rivers and the Black Hills area.

PRECIPITATION

The tremendously wet January brought October-January seasonal totals to 200-400 percent of normal in southeastern Wyoming. One to four feet of snow in this area yielded as much as five inches of water equivalent breaking some all-time records.

Seasonal precipitation totals in the western half of Wyoming are about 75 percent of normal with the southwestern portion at 150 percent of normal. Precipitation has been near normal along the windward side of the Bighorns — otherwise the remainder of northeastern Wyoming has been quite dry since October and seasonal totals are limping along at 50 to 75 percent of normal.



STREAMFLOW

The outlook for summer streamflows is brightest in southeastern Wyoming. North Platte and Laramie River drainages are forecast as high as 24 percent above normal. Other higher than normal forecasts are noted for the Little Popo Agie and the Big Sandy Rivers.

With normal snowfalls the rest of the winter, summer water supplies will be generally near normal to 20-30 percent below normal in many northern Wyoming drainages.

RESERVOIR STORAGE

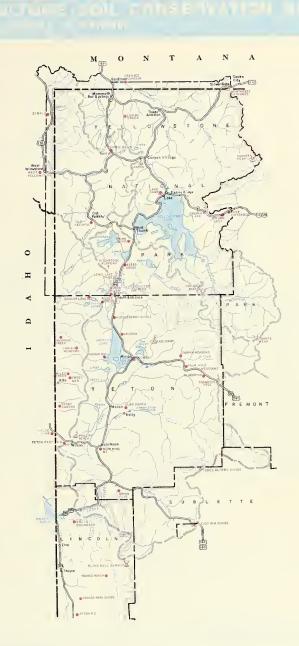
Stored water in Wyoming's irrigation reservoirs is 5 percent higher than usual. The 13 largest reservoirs currently hold 51 percent of usable capacity. The North Platte reservoir system is 19 percent higher than normal due to last year's high snowpacks.

FEBRUARY 1, 1980









YOUR WATER SUPPLY

SNOWPACK FIGURES INDICATE BELOW NORMAL CONDITIONS THROUGHOUT THESE WATERSHEDS. STREAMFLOW PREDICTIONS REFLECT THE LOW SNOWPACK FIGURES WITH YELLOWSTONE LAKE OUTLET FORECAST AT 70% OF NORMAL AND PALISADES INFLOW AT 80%. RESERVOIR STORAGE IS BELOW NORMAL IN JACKSON LAKE AND PALISADES.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

1	THIS YEAR	PAST RECORD			
FORECAST FORECAST			THOUSAND ACRE FEET		
Thousand Acre Feet	Percent of Average	PERIOD	Last Year★★	Average	
602	70	Apr~Sept	636	860	
710	79	Apr-Sept	-	903	
2150	78	Apr-Sept	-	2755	
3200	75	Apr-Sept	-	4247	
140	77	Apr-Sept	-	182*	
350	87	Apr-Sept	-	403	
330	81	Apr-Sept	-	405	
3100	80	Apr-Sept	3174	3863	
- Not For	ecast -	May-Sept			
	Thousand Acre Feet 602 710 2150 3200 140 350 330 3100	Thousand Acre Feer Percent of Average 602 70 710 79 2150 78 3200 75 140 77 350 87 330 81	Thousand Acre Feet Percent of Average PERIOD 602 70 Apr-Sept 710 79 Apr-Sept 2150 78 Apr-Sept 3200 75 Apr-Sept 140 77 Apr-Sept 350 87 Apr-Sept 330 81 Apr-Sept 3100 80 Apr-Sept	Thousand Acre Feer Percent of Average PERIOD Last Year** 602 70 Apr-Sept 636 710 79 Apr-Sept - 2150 78 Apr-Sept - 3200 75 Apr-Sept - 140 77 Apr-Sept - 350 87 Apr-Sept - 330 81 Apr-Sept - 3100 80 Apr-Sept 3174	

(1) Observed flow plus change in storage in Jackson Lake.
(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for Last year are U.S. Geological Survey provisional figures subject to revision.

** Less than 15 years

CNOW MEASURFMENTS

RESERVOIR STORAGE (Thousand Ac. F.)

SUMMARY o

(COMPARISON V

of SNOW MEASUREMENTS	RESERVOIR STORAGE (Thousand	Ac. Ft.) END OF MONTH
WITH PREVIOUS YEARS)		
THIS YEAR'S CHOW		Heable Storage

RIVER BASIN	Number of			255521/012	Usable	U	sable Stora	ge
and/or SUB-WATERSHED	Courses Averaged	Last Year	Average +	RESERVOIR	Capacity	This Year	Last Year	Average
					1			
Madison (Wyo only)	4	81	65	Grassy Lake	15.1	11.2	12.5	10.4
Yellowstone(Wy only)	8	82	72			500 (570 0	(10.5
Snake ab Jackson L.	10	79	78	Jackson Lake	847.0	532.6	5/0.9	612.5
Pacific Creek	2	70	78	Dating Land	1200.0	0/7 7	1120 0	007.0
Buffalo Creek	5	79	85	Palisades	1200.0	847.7	1130.0	907.8
Gros Ventre River	3	79	80					1
Hoback River	7	72	84					
Greys River	4	92	94					
Salt River	5	89	96					
						1		

- 1963-1977 period,

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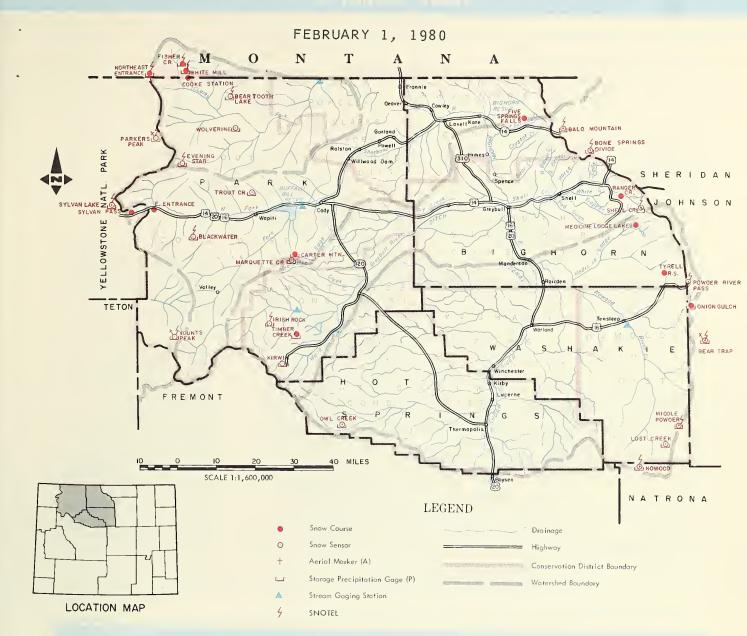
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YOUR WATER SUPPLY

BELOW NORMAL STREAMFLOWS CAN BE EXPECTED THIS SUMMER IF SNOWPACK FIGURES CONTINUE TO BE BELOW AVERAGE THROUGH THE SEASON. SHELL CREEK IS FORECAST AT 30% BELOW NORMAL WITH THE GREYBULL AT 16% BELOW NORMAL. STORAGE IN BUFFALO BILL RESERVOIR IS BELOW AVERAGE.

BIGHORN BASIN

	THIS YEAR	PAST RECORD			
FORE	CAST	FORECAST	THOUSAND ACRE FEET		
Thousand Acre Feet	Percent of Average	PERIOD	Last Year **	Average +	
1130	95	Apr-Sept	903	1193	
62	70	Apr-Sept	-	88	
15.9	69	Apr-Sept	-	23	
55	70	Apr-Sept	78	. 79	
190	84	Apr-Sept	153	226	
735	85	Apr-Sept	654	864	
460	71	Apr-Sept	-	644	
	1130 62 15.9 55 190 735	### FORECAST Thousand Acre Feet	Thousand Acre Feet	FORECAST	

Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.
 Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.
 Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SNOW

DRAINAGE BASIN and/or SNOW COURSE

Bald Mountain Bear Trap Aerial

Carter Mountain

Bone Spring Divide

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN	Number of	THIS YEAR'S SNOW			
and/or	Courses	WATER AS PERCENT OF			
SUB-WATERSHED	Averaged	Last Year	Average †		
Clarks Fork	4	85	73		
Shoshone	4	71	72		
Nowood	5	69	76		
Shell	4	64	67		

RESI

RESERVOIR	Usable	Usable Storage				
KESEKVOIK	Capacity	This Year	Last Year	Average †		
Boysen	549.9	330.3	331.3	348.0		
Buffalo Bill	373.1	163.9	187.5	188.6		
Bighorn	613.7	936.3	909.5	792.5*		
Upper Sunshine	53.0	- No Re	port -	-		
Lower Sunshine	58.9	- No Re	port -	-		

			0.4	07	Carter Mountain	17/30	TO	1 3.7	4.0	1 2.4
					Cooke Station	-Not	Meas	ured-	11.0	13.9
					East Entrance	2/01	28	6.7	9.0	7.6
					Fisher Creek	2/01	-	22.5	21.6	26.6
	1			ļ	Five Springs Falls	1/31	13	2.5	2.2	5.7
SERVOIR STORAGE (Thousand	Ac. Ft.) END OF	MONTU	Marquette Creek	1/30	19	6.7	5.0	-
			211001	I ION I II	Medicine Lodge Lakes	2/01	25	5.8	9.0	7.6
		U	sable Stora	96	Middle Powder	1/31	25	5.2	5.6	7.0
RESERVOIR	Usable Capacity	This	Last	1 1	Northeast Entrance	1/30	20	4.2	7.7	7.4
	Capacity	Year	Year	Average	Onion Gulch	2/01	21	4.7	6.9	6.1
					Owl Creek	1/30	16	2.4	3.0	3.3
Boysen	549.9	330.3	331.3	348.0	Powder River Pass	2/01	27	6.0	9.5	8.3
,	0 10.5	330.3	227.2	340.0	Ranger Creek	1/31	22	5.4	8.2	7.1
Buffalo Bill	373.1	163.9	187.5	188.6	Shell Creek	1/31	29	6.8	12.0	9.9
- Harana Dili	1 373.1	103.7	107.5	100.0	Sylvan Pass	2/01	32	5.8	8.0	10.0
Bighorn	613.7	936.3	909.5	792.5*	Timber Creek	1/29	12	2.0	4.0	2.2
-8	010.7	230.3	30.5.0	/92,3^	Tyrell Ranger Station	2/01	22	4.7	7.0	5.8
Upper Sunshine	53.0	- No Re	port -	_	White Mill	2/01	-	14.0	16.0	21.2
Tr	00.0		1		Wolverine	1/30	29	7.5	13.2	9.3
Lower Sunshine	58.9	- No Re	port -	_		ľ				
			1					-		
*Less than 15 years				'		•	+ 1	963_1	977 c	eriod
							. 1	00-1	211	Ci iou

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THIS YEAR

Snow Depth Water

(In.) (In.)

Date of

Survey

1/31

2/01 1/31

PAST REC Water Content (inches)

Last Avet

36 9.1 14.2 15.1 21 4.4 6.7 6.6 36 8.8 12.6 12.8

1/30 16 3.7 4.0 3.2



FEBRUARY 1, 1980 MONTANA LOCATION MAP LEGEND SNOTEL 16 Aeriol Marker (A) Conservation District Boundary Watershed Boundary SCALE 1:1,250,000 LOST CREEKOL NOWOOD CONVERSE

YOUR WATER SUPPLY

NATRONA

SNOWPACK FIGURES ARE BELOW NORMAL EXCEPT ON CLEAR CREEK WHICH IS JUST AT NORMAL. SUMMER STREAMFLOW FIGURES RANGE FROM 95% ON CLEAR CREEK TO 72% OF AVERAGE ON BOTH THE NORTH AND MIDDLE FORKS OF THE POWDER.

POWDER AND TONGUE RIVER WATERSHEDS

REAMFLOW FORECASTS		THIS YEAR			PAST RECORD		
	FORE	CAST	FORECAST	THOUSAND ACRE FEET			
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet			Last Year	Average		
Tongue River near Dayton	100	78	Apr-Sept	78	129		
Middle Fork Powder River near Barnum	15.9	72	Apr-Sept	11.3	22		
North Fork Powder River near Hazelton	7.7	72	Apr-Sept	9.3	10.7		
Clear Creek near Buffalo	37	95	Apr-Sept	44	39		
Rock Creek near Buffalo	24	92	Apr-Sept	17	26		
Piney Creek at Kearny	51	89	Apr-Sept	34	57		
				,			

^{**} Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

* Less than 15 years of record.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF			
SUB-WATERSHED	Averaged	Last Year	Average 🕇		
Tongue River	10	72	75		
Goose Creek	4	60	67		
Clear Creek	4	89	100		
Crazy Woman Creek	3	67	81		
Powder River	7	83	87		

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

	Usable	U	age	
RESERVOIR	Capacity	This Year	Last Year	Average
- No Reservoir Data -				
		İ		

SNOW	THIS YEAR PAST REC				REC.
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)			Content hes) Ave
Bald Mountain Bear Trap Aerial Big.Goose Bone Spring Divide Burgess Ranger Station Cloud Peak Aerial Dome Lake Five Springs Falls Geneva Pass Aerial Middle Powder Muddy Creek G.S. North Tongue Onion Gulch Powder River Pass Sawmill Divide Shell Creek Soldier Park Sour Dough Steamboat Point Sucker Creek Woodrock G.S.	1/31 2/01 1/31 1/31 1/31 1/31 1/31 1/31 1/31 2/01 2/01 1/31 2/01 1/31 1/31 1/31 1/31	36 21 20 36 21 35 23 13 32 25 12 32 27 32 29 18 23 21 30 25 27 32 29 29 29 29 29 29 29 29 29 29 29 29 29	4.4 4.2 8.8 4.8 8.0 3.4 2.5 7.4 5.2 3.0 6.6 4.7 6.0 7.0	6.7 5.1 12.6 5.7 5.5 7.1 2.2 12.0 5.6 4.2 9.3 6.9 9.5 7.9 12.0 4.8 5.9 6.1	5.4 6.5 6.5 5.7 11.4 7.0 2.5 9.1

A - Aerial stadia marker. Water content estimated. + 1963-1977 period

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BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA



YOUR WATER SUPPLY

SNOWPACKS IN THE WATERSHEDS ARE WELL BELOW NORMAL. SNOWMELT RUNOFF FIGURES ARE ESTIMATED TO BE BELOW NORMAL. RESERVOIR STORAGE IS BELOW LAST YEAR'S LEVELS WITH NEAR AVERAGE STORAGE.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

AMFLOW FORECASTS		THIS YEAR			PAST RECORD		
	FOR	FORECAST		THOUSAND ACRE FEET			
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	FORECAST PERIOD	Last Year	Average		
- No forecasts for this area -							

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or	Number of Courses	THIS YEA	R'S SNOW PERCENT OF
SUB-WATERSHED	Averaged	Last Year	Average †
Belle Fourche	3	47	63

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable	U	sable Stora	ge
RESERVOIR	Capacity	This Year	Last Year	Average †
Keyhole	190.4	133.7	147.6	117.0
Belle Fourche	185.2	85.7	123.0	112.9
Angostura	86.2	77.5	79.3	60.9
Deerfield	15.1	14.2	15.0	13.7
Pactola	55.0	52.6	53.3	49.8
Shađehill.	81.5	46.9	54.5	48.3

SNOW	TH	iis ye	AR	PAST	REC.
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water ((inch Last Yr.	ontent les)
Bearlodge Divide Mallo Pillow Mount Tom Pillow Reuter Canyon Sweetwater Mtn. Pillow Upper Spearfish Warren Peak	1/31 1/29 2/03 1/31 1/29 1/30 1/31	- 24 - 20	0.0 3.7 0.9 5.3 2.5 3.0 4.0	6.4 4.3 9.4 4.8 5.2	2.11 - - 6.4 - 4.6 6.2

+ 1963-1977 period

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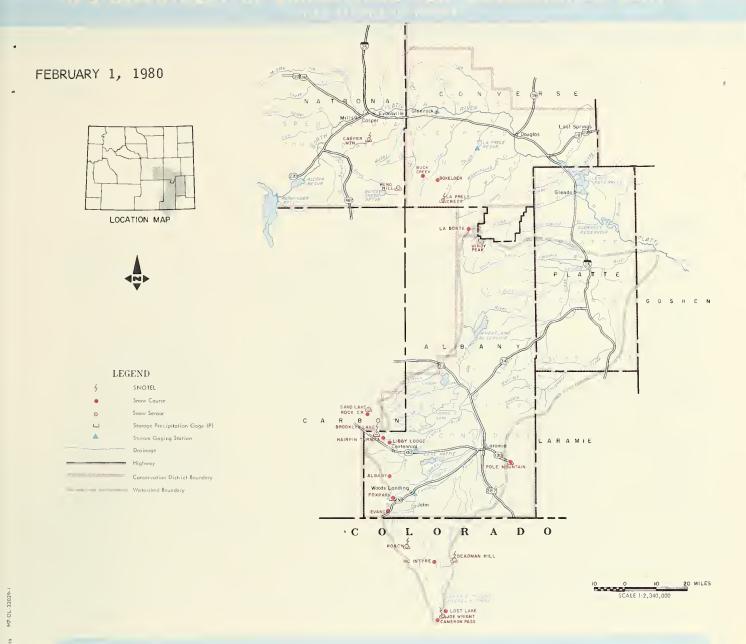
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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATER SHED IN WYOMING



YOUR WATER SUPPLY

THE LARAMIE AND LITTLE LARAMIE RIVERS ARE EXPECTED TO PRODUCE FLOWS WELL ABOVE AVERAGE DUE TO A 35% ABOVE NORMAL SNOWPACK. LOWER NORTH PLATTE SNOWPACKS ARE ALSO ABOVE AVERAGE. THE NORTH PLATTE RESERVOIR SYSTEM CONTAINS ABOVE AVERAGE VOLUMES.

LOWER NORTH PLATTE RIVER WATERSHED

THIS YEAR			PAST RECORD		
FORE CAST FORE		FORECAST	THOUSAND ACRE FEET		
Thousand Acre Feet	Percent of Average	PERIOD	Last Year **	Average	
681	100	Apr-Sept	853	670	
50	100	Mar-July	13.7	50	
30	100	Apr-July	8.8	30	
155	124	Apr-Sept	160	125	
77	124	Apr-Sept	94	62	
,					
	Thousand Acre Feet 681 50 30 155 77	FORECAST Thousand Acre Feet Percent of Average	FORECAST FORECAST Thousand Acre Feet Percent of Acre Feet Percent of Acre Feet Percent of Acre Feet Apr-Sept	FORECAST	

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.
** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)								
RIVER BASIN and/or	Number of Courses		AR'S SNOW PERCENT OF					
SUB-WATERSHED	Averaged	Last Year	Average +					
Upper Laramie	9	105	133					
Little Laramie	4	88	137					
Laramie	14	97	136					
Lower North Platte	4	133	131					
North Platte above								
Laramie River	22	101	121					

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable	Usable Storage				
RESERVOIR	Capacity	This Year	Last Year	Average		
Seminoe Pathfinder Alcova Glendo Guernsey Wheatland #2	1010.5 1015.9 30.7 783.7 45.2 98.9	562.0 675.4 3.4 346.0 6.5 N.R.	501.7 607.4 3.3 319.7 45.2 41.7	451.6 540.8 - 333.1 7.2 42.6		
PROJECT WATER OWNE	RSHIP	1	ı	1		
North Platte Project Kendrick Project Glendo Project Users	1016.1 1201.6 454.3	666.6 846.5 123.6	674.5 678.7 128.9			

SNOW	Тн	IS YE	AR	PAST REC.
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Cont	Water Content (inches) Last Ave+
Albany Boxelder Brooklyn Lake Buck Creek Cameron Pass Casper Mountain Deadman Hill Evans Foxpark Hairpin Turn Joe Wright LaBonte Libby Lodge Lost Lake Pole Mountain Roach Rock Creek	1/31 2/01 1/27 1/31 2/02	28 70 31 66 38 50 44 34 60 61 27 46 44 42 66	6.9 18.4 7.6 19.5 10.8 12.0 9.9 7.5 15.1 16.8 5.6 10.6 9.7 10.2	20.914.0 5.2 7.0 18.217.8 6.8 9.1 12.2 9.9 9.5 6.8 7.2 4.0 17.411.0 16.615.3 7.4 3.4 14.4 7.5 10.8 7.5 6.1 4.3 15.811.5

+ 1963-1977 period.

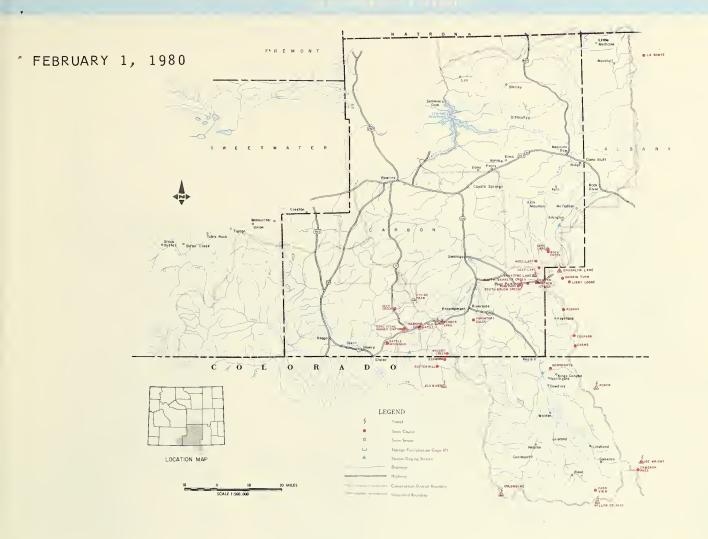
UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
P.O Box DD
Torrington, Wyoming 82240

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



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YOUR WATER SUPPLY

WITH SNOWPACKS AT 21% ABOVE NORMAL ON THE NORTH PLATTE AND 22% ABOVE ON MEDICINE BOW AND ROCK CREEK DRAINAGES, SUMMER STREAMFLOW SUPPLIES SHOULD BE ABOVE AVERAGE. NORTH PLATTE NEAR NORTHGATE IS FORECAST AT 120% OF AVERAGE. STORAGE IN SEMINOE IS 124% OF ITS FEBRUARY 1 AVERAGE LEVEL.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS

TREAMFLOW FORECASTS		THIS YEAR			ECORD
	FORE	CAST	FORECAST	THOUSAND A	CRE FEET
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year**	Average +
North Platte River near Northgate	286	120	Apr-Sept	376	238
North Platte River near Sinclair	681	100	Apr-Sept	853	680
Encampment River near Encampment	170	112	Apr-Sept	209	152
Rock Creek near Arlington	72	124	Apr-Sept	63	58
Little Snake near Dixon	325	102	Apr-Sept	349	320
Little Snake near Slater, Colo.	165	107	Apr-Sept	186	154
				!	

^{**} Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)								
RIVER BASIN and/or	Number of Courses		AR'S SNOW PERCENT OF					
SUB-WATERSHED	Averaged	Last Year	Average 🕇					
Upper North Platte	15	96	118					
Encampment River	2	88	108					
Brush Creek	3	101	1 18					
Medicine Bow and Rock Creeks North Platte above	4	102	122					
Laramie River	22	101	121					
Little Snake River	2	84	103					

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

Usable	U	sable Stora	ge
Capacity	This Year	Last Year	Average
1010.5	562.0	501.7	451.6
		Capacity This Year	Capacity This Last Year Year

SNOW	TH	HS YE	AR	PAST	REC.
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)		Water ((inch Last	
Albany	1/31	1		14.8	
Battle Mountain	1			9.2	1
Brooklyn Lake	1/31			20.9	
Butter Hill	2/02			12.0 18.2	
Cameron Pass	2/01			13.1	
Deep Creek Deep Lake		_		30.0	
Elkhorn	1	1	_	21.0	1
Elk River	1/28			14.6	1
Evans	1/31			9.5	
Foxpark	1/29			7.2	
Hairpin Turn	1/31	_		17.4	_
Haskins Creek	2/06			24.0	1
LaBonte	1/27			7.4	
Libby Lodge	1/31			14.4	
Moss Lake	2/06			18.0	
North Barrett Creek	1/31			16.0	
North French Cr. Pillow	1/31	_	17.9	17.4	14.8
Old Battle	2/06			26.4	
Purgatory Gulch	2/06	39	9.3	- /	7.3
Rock Creek	2/06	78	22.3	17.5	15.7
Ryan Park	1/31	38	9.2	8.6	7.6
Sandstone R.S.	2/06	41	10.9	13.8	-
Webber Spring	2/06	63	17.3	18.0	14.5
Whiskey Creek	- No	Repo	rt -	25.0	-

+ 1963-1977 period

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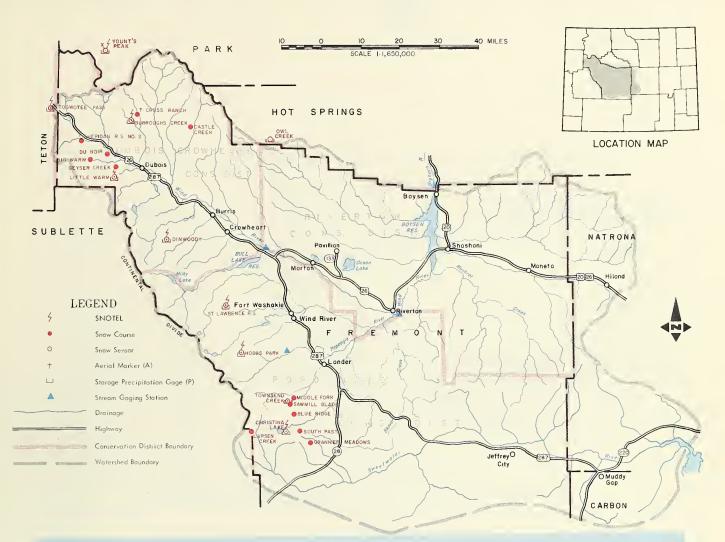
WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

U.S. DISPARTMENT OF AGRICULTURE SKIL CONSERVATION SERVICE

FEBRUARY 1, 1980



YOUR WATER SUPPLY

STREAMFLOW PREDICTIONS RANGE FROM 89% OF NORMAL FOR THE WIND RIVER NEAR DUBOIS TO 130% ON THE LITTLE POPO AGIE. HEADWATER SNOWPACKS ON THE WIND RIVER ARE NEAR AVERAGE WHILE THEY ARE 37% ABOVE NORMAL FOR THE SWEETWATER. PILOT BUTTE STORAGE IS HALF NORMAL WITH BOYSEN 5% BELOW NORMAL LEVELS.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED

EAMFLOW FORECASTS		THIS YEAR	3	PAST RECORD		
	FORE	FORECAST		THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feer	Percent of Average	FORECAST PERIOD	Last Year **	Average	
Wind River near Dubois	98	89	Apr-Sept	85	110	
Wind River at Riverton (1)	750	108	Apr-Sept	491	695	
Wind River below Boysen (2)	1130	95	Apr-Sept	903	1193	
Bull Lake Creek near Lenore (3)	208	110	Apr-Sept	145	189	
Little Popo Agie near Lander	69	130	Apr-Sept	45	53	

- (1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.
 (2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.
 (3) Observed flow plus change in storage in Bull Lake
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)							
RIVER BASIN and/or	Number of Courses		AR'S SNOW PERCENT OF				
SUB-WATERSHED	Averaged	Last Year	Average +				
Upper Wind River	9	76	94				
Popo Agie	5	109	124				
Wind above Boysen	15	87	103				
Sweetwater River	3	112	137				

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

	Usable	υ	sable Stora	ge
RESERVOIR	Capacity	This Year	Last Year	Average †
Bull Lake Pilot Butte	151.8 31.6	77.3	106,4	93.3
Boysen	549.9	330.3	331.3	348.0

SHOW	TH	IIS YE	AR	PAST	REC.
DRAINAGE BASIN and/or SNOW COURSE		Snow Depth		Water (
DRAINAGE BASIN and/iii SNOW COURSE	Survey	(in.)	(in-)	Last Yr.	Ave.
	- 100				, ,
Big Warm Springs	1/29	18	3.4	5.5	4.6
Blue Ridge	1/31	1	12.2	9.6	8.4
Burroughs Creek	1/30	40		12.0	9.7
Castle Creek	1/30	18	3.0	4.5	-
Dinwoody	1/30	30	6.9	9.1	7.8
DuNoir	1/29	25	5.7	8.8	5.9
Geyser Creek	1/29	20	4.3	7.8	5.1
Grannier Meadows	2/01	53	13.4	12.8	9.6
Hobbs Park	1/30	41	10.4	8.5	9.4
Larsen Creek	1/30	46	11.9	9.8	9.2
Little Warm	1/29	41	9.3	11.6	10.6
Middle Fork	1/31	24	5.2	6.1	3.9
Owl Creek	1/30	16	2.4	3.0	.3.3
Sawmill Glade	1/31	34	6.0	7.9	6.0
Sheridan Ranger Station	1/29	25	5.8	8.3	5.2
South Pass	2/01	52	14.4	12.7	10.1
St. Lawrence R.S.	1/30	24	4.9	5.2	4.7
T-Cross Ranch	1/30	29	6.6	8.3	4.9
Togwotee Pass	1/31	61	17.2	19.0	20.1
Younts Peak Aerial	1/25	39	9.8	-	13.8

+ 1963-1977 period

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE P.O. Box 286 Worland, Wyoming 8240!

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TINGT OLASS

IL 3 DEPARTMENT OF APPRECUATIONS

FEBRUARY 1 1 1980 LEGEND SNOTEL Snow Course LOCATION MAP Aerial Marker (A) Storage Precipitation Gage (P SOUTH PASS GRANNIER MEADOWS FREMONT 30 B UINTA CARBON U T A H C O L O.

YOUR WATER SUPPLY

BELOW NORMAL SPRING AND SUMMER STREAMFLOWS ARE EXPECTED. ONLY THE BIG SANDY RIVER WILL PRODUCE NORMAL FLOWS. THE SNOWPACK ON THE UPPER WATERSHED IS ABOUT AVERAGE, WHILE THE BIG SANDY DRAINAGE IS 31% ABOVE NORMAL. RESERVOIR STORAGE IS BELOW NORMAL.

UPPER GREEN RIVER BASIN IN WYOMING

THIS YEAR		`	PAST RECORD		
FORE	CAST	FORECAST	THOUSAND ACRE FEET		
Thousand Acre Feet	Percent of Average	PERIOD	Last Year **	Average	
290	86	Apr-Sept	237	336	
825	83	Apr-Sept	677	999	
915	84	Apr-Sept	699	1094	
1580	107	Apr-July	-	1292	
8.5	97	Apr-Sept	6,8	8.8	
72	114	Apr-Sept	50	63	
	290 825 915 1580 8.5	290 86 825 83 915 84 1580 107 8.5 97	Thousand Acre Feet Percent of Average Percent of Average	Thousand Acre Feet Percent of Average FORECAST PERIOD Last Year *** 290 86 Apr-Sept 237 825 83 Apr-Sept 677 915 84 Apr-Sept 699 1580 107 Apr-July - 8.5 97 Apr-Sept 6.8	

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or	Number of Courses		AR'S SNOW PERCENT OF
SUB-WATERSHED	Averaged	Last Year	Average +
Upper Green, East side	8	85	95
Upper Green, West side	5	106	107
Big Sandy	2	112	131

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

0555011010	Usable	U	sable Stora	ge
RESERVOIR	Capacity	This Year	Last Year_	Average
Eden	11.8	N.R.	N.R.	3.1*
Big Sandy	38.3	N.R.	24.7	18.8
Fontenelle	344.8	212.7	255.1	273.7*
Flaming Gorge	3749.0	2318.1	2595.4	-

SNOW	ТН	IS YE	AR	PAST	REC
DRAINAGE BASIN and/or SNOW COURSE		Snow Depth		(inches)	
	Survey	(in.)	(ln.)	Last Yr.	Avet
Big Sandy Opening Blind Bull Summit Aerial East Rim Divide Elkhart Park G.S. Grannier Meadows Gros Ventre Summit Kendall Ranger Station Larsen Creek Loomis Park New Fork Lake Pocket Creek Poison Meadows Rowdy Creek Snider Basin R.S. South Pass Spring Creek Div. Pillow Triple Peaks	1/30 1/30 1/30 2/01 1/30 1/30 1/30 1/30 1/30 1/30 1/31 1/30 1/31 1/30 1/31	60 37 37 53 31 30 46 45 30 43 72 51 49	18.0 8.1 8.3 13.4 6.6 7.2 11.9 11.8 6.2 10.3 20.4 14.5 13.8 14.4 16.2	11.8 18.0 10.8 9.9 12.8 8.2 10.7 9.8 14.1 9.2 19.2 15.6 13.4 12.7 14.7	9.6 8.6 9.2 9.2 12.8 8.1 8.4 20.1 15.8 11.7

*Less than 15 years + 1963-1977 period

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"The Conservation of Water begins with the Snow Survey"

YOUR WATER SUPPLY

SNOWPACKS ARE SLIGHTLY ABOVE AVERAGE THROUGHOUT THE WATERSHED. MOST STREAMFLOWS THIS SUMMER WILL BE NEAR AVERAGE WITH THE GREEN RIVER NEAR GREEN RIVER BEING THE LOWEST AT 16% BELOW NORMAL. RESERVOIR STORAGE IS BELOW LAST YEAR'S LEVELS.

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

TREAMFLOW FORECASTS		THIS YEAR	R	PAST R	ECDRD
	FORE	CAST	FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year **	Average +
LaBarge Creek at LaBarge Meadows	8.5	97	Apr-Sept	6.8	8.8
Green River near Green River (1)	915	84	Apr-Sept	699	1094
Hams Fork below Pole Creek, near Frontier	75	104	Apr-Sept	55	72
Blacks Fork near Millburne	101	110	Apr-July	80	92
Flaming Gorge Inflow	1580	107	Apr-July	-	1292
Smiths Fork near Border	122	102	Apr-Sept	90	120
Thomas Fork near State Line	36	103	Apr-Sept	24	35
Bear River at Utah-Wyoming State Line	119	104	Apr-July	93	114
Henry's Fork near Linwood, Utah	50	93	Apr-Sept	-	54

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF		
SUB-WATERSHED	Averaged	Last Year	Average 🕇	
Bear River	19	111	96	
Smith & Thomas Forks	4	103	106	

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

	Usable	U	sable Stora	ge
RESERVOIR	Capacity	This Year	Last Year	Average †
Fontenelle	344.8	212.7	255.1	273.7*
Flaming Gorge	3749.0	2318.1	2595.4	-
Viva Naughton	42.4	24.8	34.5	-

Big Park 1/30 54 14.4 13 17.5 6 1/31 31 7.5 6 6 6 6 6 6 6 6 6	WONS	ТН	IIS YE	PAST	PAST REC.					
Blacks Fork GS-East Fk 1/31 31 7.5 6 Blacks Fork Junction 1/31 42 9.6 6 Burts-Miller Ranch 1/31 31 5.9 4 CCC Camp 1/30 37 8.2 9 Hayden Fork 1/31 50 13.3 9 Hewinta Guard Station 1/31 38 9.1 6 Hickerson Park 1/31 33 7.5 5 Kelley R.S. 1/30 54 14.8 13 Poison Meadows 1/30 72 20.4 19 Salt River Summit 1/30 46 10.2 12 South Thomas Fork 1/30 42 11.4 10 Spirit Lake 1/31 41 10.0 9 Stillwater Camp 1/31 45 9.8 7	DRAINAGE BASIN and/or SNOW CDURSE	of	Depth	Cont	Water ((inc Last Yr.	ontent nes) Avet				
+ 1963-19	Blacks Fork GS-East Fk Blacks Fork Junction Burts-Miller Ranch CCC Camp Hayden Fork Hewinta Guard Station Hickerson Park Kelley R.S. Poison Meadows Salt River Summit South Thomas Fork Spirit Lake Stillwater Camp	1/31 1/31 1/30 1/31 1/31 1/30 1/30 1/30	31 42 31 37 50 38 33 54 72 46 42 41 45 87	7.5 9.6 5.9 8.2 13.3 9.1 7.5 14.8 20.4 10.2 11.4 10.0 9.8 20.4	6.4 6.9 4.5 9.6 9.2 6.3 5.0 13.0 19.2 12.2 10.8 9.8 7.8	15.6				

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SNOW COURSE DATA

FEBRUARY 1980

SNOW COURSE		SNOW DEPTH			
AFTON RANGER STATION					
ALBANY		58			
ARIZONA		42			
ARRASTRE LAKE PILLOW				16.7	
ASTER CREEK	1/28	4 0	17.3 9.1	17.7	
BALD MOUNTAIN	1/31	60 36	9.1	. 14.2	
BASE CAMP	1/29	Δ"7	11.9	15.3	14.9
BATTLE MOUNTAIN		NO REPORT		9.2	9808
BEARLODGE DIVIDE	1/31		0.0	2.9	2.1*
BEAR TRAP AERIAL		21	4.4	6.7	6.6
BIG GOOSE		20			
BIG PARK	1/30	54	14.4	13.6	13.3
BIG SANDY OFENING	1/30	52	13.3	11.8	9.6
BIG SANDY OFENING FILLOW		****	11.0	12.2	***
BIG WARM SPRINGS	1/29	18	3.4	11.8 12.2 5.5 14.6	4.6
BLACKROCK	1/31	50	13.8	14.6	14.8
BLACK'S FORK GS-EAST FK	1/31	31	7.5	6.4	
BLACK'S FORK JUNCTION					
BLIND BULL SUMMIT AERIAL					
BLUE RIDGE		44			
BONE SERING BIUIDE	1 / 7 1	7.4	8.8	12.6	12.8
BOXELDER BROOKLYN LAKE	1/31	28	4.0	77.0	4 • 1
BROOKLYN LAKE	1/31	70	18.4	20.9	
BROOKLYN LAKE PILLOW		NO REPORT		15.8	
BRYAN FLAT	1/31	24	5.9		
BUCK CREEK	1/31				7.0*
BURGESS RANGER STATION	1/31	21	4.8	5.7	5.4
BURROUGHS CREEK	1/30		9.9	12.0	9.7
BURROUGHS CREEK FILLOW		NO REPORT		10.7	_
BURTS-MILLER RANCH	1/31	31	. 5.9	4.5	
BUTTER HILL	2/02	4.9	11.7	12.0	one.
CAMERON PASS	2/01	66	19.5	18.2	17.8
CANYON	2/01		9.0	10.6	11.4*
CANYON FILLOW		NO REPORT		10.7	_
CARTER MOUNTAIN	1/30	16	3.7	4.0	3.2
CASPER MOUNTAIN		38			
CASPER MOUNTAIN PILLOW	1/31		10.6		
CASTLE CREEK	1/30	18	3.0	4.5	
CCC CAMP	1/30	37	8.2	9.6	8.6
CHAMBERS LAKE	1/31	36	9.2	9.3	5.9
CLOUD'S PEAK AERIAL	2/01	35	8.0	5.5	6.5
COLUMBINE LODGE	1/29	61	14.7	19.4	14.5
COOKE STATION		NOT MEASURE	0	11.0	13.9
COTTONWOOD LAKE AERIAL	1/30	50	11.5	12.0	11.8

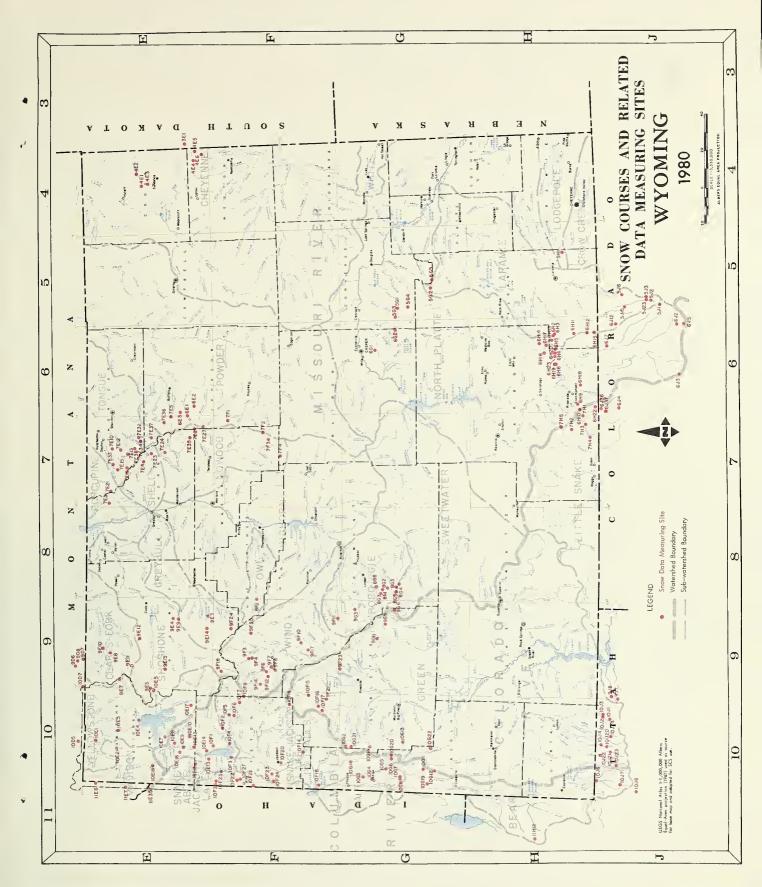
^{*} Less than 15 years E Estimated

Aerial - Water content estimated

SNOW COURSE		DEFIN		IEHR	1703-//
COULTER CREEK CREVICE MOUNTAIN DARBY CANYON DEADMAN HILL DEEP CREEK DEEP LAKE DINWOODY DINWOODY DOME LAKE DU NOIR	1/31	42	12.5	12+1	codd
TREVICE MUUNIAIN	1 /71	NUL MERBUK	140	14 7	15. 45
DENDI CARION	1/31	47	17.0	19.9	13.45
DEED USEEK	2/02	3.V A.T	9.0	13.1	7 + 7
TEFE LAKE	2/05	100	29.1	30.0	26.4*
DINWOODY	1/30	30	6.9	9.1	7.8
DINWOODY FILLOW		NO REPORT		7.6	
DOME LAKE	1/31	30 NO REPORT 23 25	3.4	7.1	6.5
DU NOIR	1/29	25	5.7	. 8 . 8	5.9
EAST ENTRANCE	2/01	28	6./	9+0	7+6
EAST RIM DIVIDE	1/30	37 31 37	8.1	10.8	9.4*
ELBO RANCH	1/29	31	8.0	10.6	****
	1/30	37 NO REPORT	8.3		
ELKHORN		NO REPURT		21.0	
	1/28	58	12.5 9.9 22.5E	14.6	11.6
EVANS	1/31	44	9.9	9.5	5.8
FISHER CREEK	2/01 2/01		22.5E	19.5	28.0E 26.6E
	1/31		22.0		
FOUR MILE MEADOWS		32			
and any business a part of the					
FRETI'S MOUNTAIN	1/29	48	13.0	13.6	13.9E
GENEVA PASS AFRIAL	1/31	32	7.5 13.0 7.4	12.0	11.4
GEYSER CREEK	1/29	20	4.3	7.8	5.1
FOXMARK FRED'S MOUNTAIN GENEVA PASS AERIAL GEYSER CREEK GLADE CREEK GRANNIER MEADOWS GRASSY LAKE	1/28	44	11.8	17.7	15.8
GRANNIER MEADOWS GRASSY LAKE GREYS BOUNDARY	2/01	53	13.4	12.8	9.6
GRASSY LAKE	1/28	56	16.3	24.9	24.8
GREYS BOUNDARY	1/30	27	6.2	10.2	7.9
GROS VENTRE SUMMIT	1/30	31	6+6	8.2	8.6
GROS VENTRE SUMMIT FILLO	1/30	4400	8.0 8.4	10.0	
GROVER PARK DIVIDE	1/30	38	8.4	8 + 4	8 + 4
HAIRPIN TURN	1/31	60	15.1	17 • 4	11.0
HAIRFIN TURN HASKINS CREEK HAYDEN FORK	2/06	60 73	19.9	24.0	
HATUEN FURK	2/42	20	1010	/ +	
HEWINTA GUARD STATION	1/31	38	7.5	6+3	0000 0000
HICKERSON PARK HOBBS PARK		33		5.0 8.5	
HOBBS PARK PILLOW	1/30 1/30	4 1.	10.4 8.1	9.8	9.4
HUCKLEBERRY DIVIDE	1/29	42	11.1	16.2	15.0
INDIAN MEADOWS	1/29	65	20.0	21.5	
JACKPINE CREEK	1/29	42	11.3	14.2	14.9E
JOE WRIGHT	2/01	61	16.8	16.5	15.3
KELLY RANGER STATION	1/30	54	14.8	13.0	11.9
KELLY RANGER STA FILLOW		NO REPORT		11.4	_
KENDALL RANGER STATION	1/30	30	7 + 2	10.7	9.2
LA BONTE	1/27	27	5.6	7 • 4	3.4
LAKE CAMP	2/02	24	5.1	6.9	6.4*
LA FRELE PILLOW		NO REPURT			***
LARSEN CREEK	1/30	46	11.9	9.8	9.2*

SNOW COURSE	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1963-77
LEWIS LAKE DIVIDE LEWIS LAKE DIVIDE PILLOW	1/28		23.5		28.6
	1/31	46	10.6		
LITTLE WARM	1/29	41	9.3	11.6 8.3	10.6
LITTLE WARM PILLOW	1/29	,	6 • 4	8.3	_
LOOMIS PARK	1/30			14.1	
LOST LAKE		44		10.8	
	1/31	26	5.6		
	1/30	19	6.7	6.4 5.0	4400
MARQUETTE CREEK	1/30	NOT MEASURE	5.7		_
MCINTYRE MEDICINE LODGE LAKES	2/01	25	E 0	- 0 0	7.6*
MIDDLE FORK	1/31	24	5.8	6.1	
	1/31	27	5.2		7.0
MIDDLE FOWDER FILLOW	1/51	NO RÉPORT	غ.٠٠	-	
MILES CREEK		NO REPORT			8.7E
MONTE CRISTO	2/03		20.2	14.9	
MORAN	1/29		7.4	12.1	9.7
MORAN BAY	1/29	47	13.3	17.7	
MOSS LAKE	2/06		18.0	17.7	16.1*
MOUNT TOM FILLOW	2/03	•	7.4 13.3 18.0	4.3	
MUDDY CREEK GUARD STATIO	2/01	12	3.0	4 + 2	2.5*
NEW FORK LAKE	1/30	30	6.2	9.8	8.1
	1/30	26		6.0	
	1/31		15.4	16.0	13.6*
NORTHEAST ENTRANCE	1/30	20	4.2	7.7	7 . 4
	1/30		4 . 4	7.2 17.4 4.0	7.2%
NORTH FRENCH CREEK PILLO	1/31		17.9	17.4	14.8*
NORTHGATE	1/31	31	5.7	4.0	4.0
NORTH TONGUE	1/31	32	6 + 6		
	2/06		22.9		
OLD FAITHFUL	2/06	 77	24.5		
OHION GULCH	1/29 2/01	33 21	9 + 1 4 + 7		
OWL CREEK	1/30	16	2.4		3.3
PARKER'S PEAK AERIAL	1/25	66	18.5	- · · ·	20.1*
FARK VIEW	1/31		6.5		
PHILLIPS BENCH	1/30	58	15.8	23.4	17.8
PHILLIPS BENCH FILLOW	2,20	NO REPORT		18.3	
FITCHSTONE PLATEAU AERIA	1/25	97	32.0	41.3	36.9*
POCKET CREEK	1/30	43	10.3	9.2	8.4
POISON MEADOWS	1/30	72	20.4	19.2	20.1
FOLE MOUNTAIN	1/29	42	10.2	6.1	4.3
FOWDER RIVER PASS	2/01	27	6.0	9.5	8.3*
FURGATORY GULCH	2/06	39	9.3	min	7.3*
RABBIT EARS	1/29	56	16.3	18.3	15.8
RANGER CREEK	1/31	22	5.4	8.2	7 • 1
REUTER CANYON	1/31	24	5.3	9 + 4	6 • 4 *
ROACH ROCK CREEK	1/30	66	16.0	15.8	11.5
KOUK CKEEK	2/06	78	22.3	17.5	15.7*

SNOW COURSE DA	ATE SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1963-77
ROWDY CREEK 1/ RYAN FARK 1/ SALT RIVER SUMMIT 1/	/31 51	14.5	15.6	15.8
RYAN PARK 1.	/31 38	9.2	8.6	7.6*
SALT RIVER SUMMIT 1/	/30 46	10.2	12.2	11.0
SALT RIVER SUMMIT PILLOW 1/	/30 -	10.8	12.3	
SANDSTONE RANGER STATION 2/	/06 41	10.9	13.8	wase
SAWMILL DIVIDE 1,	/31 32	7.0	7+9	***
SAWMILL GLADE 1/	/31 34	6.0	7.9	6.0
SAWMILL DIVIDE 1/ SAWMILL GLADE 1/ SHELL CREEK 1/ SHERIDAN RANGER STATION 1/	/31 29	6.8	12.0	9.9
SHERIDAN RANGER STATION 1/ SNAKE RIVER STATION 1/	/29 25 /28 41	5.8	8+3	5+2
SNIDER BASIN RANGER STA 1/	/ ZO 41 / ZO 49	17.9	17.4	11.7
SNOW KING MOUNTAIN 1	/30 34	7.7	10.7	10.5
SOLDIER PARK 2.	/01 18	3.9	4.8	3.9
SOUR DOUGH 2/	/01 23	5.0	5.9	3.9 4.3
SNOW KING MOUNTAIN 1/ SOLDIER PARK 2/ SOUR DOUGH 2/ SOUTH BRUSH CREEK PILLOW SOUTH PASS 2/	NO REPOR	T	7+1	
SOUTH PASS 2/	/01 52	14.4 =	12.7	10.1
SOUTH THOMAS FORK 17	/30 42	11 + 4	10.8	11.8*
	/31 41			
SPRING CREEK DIVIDE FILL 1,	/30 -	16.2	14.7	
STATE LINE 1/	/29 31	8.8	12.4	10.0
STEEL COUER DADE 1	/31 Z1 /71 EA	±1.7 ∧	5 + 1.	Ü+3
STATE LINE 1/ STEAMBOAT POINT 1/ STEEL CREEK PARK 1/ STILLWATER CAMP 1/	/31 34 /31 45	9.8	7+U 7.9	
STEAMBOAT POINT 1. STEEL CREEK PARK 1. STILLWATER CAMP 1. ST. LAWRENCE RANGER STA 1.	/30 24	4.9	5.2	4.7
SI, LAWRENCE R.S, FILLOW 1/	/30 -	5.4	5.7	***
SUCKER CREEK 1/	/31 30	6,8	7 . 4	8.1
SWEETWATER MOUNTAIN PILL 1,	/29 -	2.5	4.8	w840
SWEETWATER MOUNTAIN PILL 1/ SYLVAN PASS 2/ T-CROSS RANCH 1/ TETON PASS W.S. 1/	/01 32	2.5 5.8E	8.0	10.0
T-CROSS RANCH 1/	/30 29 /31 47 /28 43	6+6	8 • 3	4.9
TETUN FASS W.S. 17	/31 47	12.4	21.8	16.8*
THUMB DIVIDE 12 TIMBER CREEK 12	/28 43 /29 12	11.1	11.3	15.1
TOGWOTEE PASS 1/	/31 61	17 7	19 0	20 1
There are an a contract of the profession of the contract of t	/31 -	14.8	16.6	AU+1
TOWNSEND CREEK 1/	/31 34	6.0 ta	5.8	****
TOUWNSEND CREEK 1/ TRIAL LAKE 2/	/01 87	20.4	16.8	15.6
TRIPLE PEAKS 1/	/31 61	17.6	17.6	18.7
	/31 28	6+3	10.1	7.7
	/29 33	7 • 1	9.7	13.6
	/25 60	16.8	. <u>.</u>	20.8*
	/01 22 /30 20	4+7 3+0	7.0 5.2	5.8
	/31 23	4.0	7.6	4+6 6+2*
- -	/06 63	17.3	18.0	14.5
	/06	20.9		
	/30 27	5.6	7 + 8	8 + 9
WHISKEY CREEK	NU REPUR	Ϊ	25.0	-
	/01 -	14.0	16.0	21.2E
	/01 -	12.0	15.0	17.SE
	/30 44	8 + 9	10.8	7.8
	/30 29 /31 25	7.5 5.5	13.2	9.3*
	/30 42	10.5	6.2 12.4	7.1 11.9*
	/25 39	9.8	12.47	13.8*



DRAIMAGE BASIN KYDNING ELEV. SEC. THP 1000E		8620 7 27N 1 8950 33 3N 9700 14 IN	.u 10J21 9300 25 2N 6J4P 8700 6 10N 10J7 9400 25 IN	10.724A 10000 29 2N 10.34 9500 33 3N 9.78 9100 24 2N 10.11 0.150 14 2N	u 10,1	01d 8atter 0 6H10° 99270 29 144 65W 65K	Little Snoke River 784P 7440 35 13N	6.337 7 7H2 7	6.356 8475 21 12N 6.34P 8700 6 10N	8975 26 14N 8150 10 13N 8950 13 12N	COLUMBIA RIVER DRAINAGE ke River Basin (above Jackson Lake)	10F1 6820 43°559 10E8 7750 44°17 10E3* 7050 43°556	10E10* 7020 44°10* 10E13 7040 26 47N	10E15P* 7265 18 48N 10E14 7300 44 ⁰ 03;	10F4 6750 19 45N 10F3 6810 439521	8520 44°14' 1 6920 44°08' 1 7980 44°22' I	Jockson Loke to Palisades	10G4 6240 420441 10F7 8900 430471 10G2* 8650 420571	10F14 6420 9 38N 10F7 7000 42°31' 1 10C7 7000 42°31'	Exercises lake 1805 1805 1805 1805 1805 1805 1805 1805	10F19* 8750 36 40N 10G3P 7000 42°48¹ 1	10F2* 8200 42031* 1066 8500 42031*	10F20 7660 4 40N 10F9* 9580 28 44N 10F5 6900 14 45N	10G1A 6650 42º55" 1	Oarby Canyon IOP21A 8.55.0 28 43N 118W Fred's Nouncain IOP22 8000 12 44N 118W Indian Meadows IOP22 820 13 46N 117W	10F26 7350 15 46N	Bear River 43-30' L	Edg Park 1061 8020 / 2/8 11/8 CC Camp 1067 7000 42031 110953 1109	10517 5400 25 1N 10612* 8180 1 26N 11H12 8960 4 8N	1056 8500 42°33° 1 1058* 7700 42°31° 1 10519 7840 27 27N	10.38P 9800 5 2S	C. Colossés snow courtés m. Mentana sons courtés sel, South Don's souve courts sel, South Don's souve courts	A. Unit above extented to the control of the contro	20ge, and temperature Instrument with radio telemetry.
LDCATION DBAINACE BASIN WYOMING ELEV. SEC. TYP	S S S S S S S S S S S S S S S S S S S	Steamboat Point Tongue River (continued) Steamboat Point Tongue River (continued) 7612* 8800 44044 500 100724: 8801 44041 100724: 8804 44041 100727:	Powder River 7F1A* 7900 3 45N	7E364* 9850 44°241 6E03* 8760 33 50N 7F2* 7760 9 42N	Many Creek 0.3. 0527 8789 31 48% 9574 974 974 974 974 974 974 974 974 974 9	6E1 8460 44°13° Sweetwoter 8G4 8860 19 30N	42°36'	Loromie River 6H13* 10220 14	556 10200 26 10N 576* 10200 26 10N 6H15 9080 4 12N	Congark 6H12 9060 21 13N 78W Hairpin Trrr 6H2 9460 19 15N 78W Libby Lodge 6H3 8750 29 15N 78W	5J23 9300 32 8N 5J15 9100 35 10N 6HTP R360 23 15N	6J12 9800 15 5G0S* 7900 27	Orow Creek Pole Mountain SHIP 8360 23 15N 71W	North Plotte	9120 10280 9 8600 33	5G1 7280 19 30N 5G3 7900 8 30N CT1 1028C 2 6M	551 10225 2 0N 6G1* 7850 21 32N 5J2P 9000 6 7N	9500 21 5N 17N 17N 15N	6,34P 8700 6 10N 6H12 9060 21 13N 5,337* 10000 35 7N	5G* 7750 24 27N 5G* 8375 42°26' 10 6H16 9880 25 17N Creek 6H5 9430 25 16N	6H20* 6J7	6410* 9920 29 14N 6J2 9200 24 5N 6H18 8970 41 ^o 08 ¹	Reno fix11 66/02* 8500 17 500 77W Release fix11 66/02* 8500 17 70W 77W Release fix14 64/04 9980 9 17N 79W 79W 79W Release fix14 64/05 8350 28 16N 81W 64/05	6H19* 8440 28 16N 6H9* 9250 23 14N 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Cheyenne River	4E2P 4680 20 53N 4E5 6420 28 48N 4E4 5560 8 48N	Reuter Canyon 4E3 6.280 33 51N 63W Sweet-Martin Holps 4B6 586 16 47N 61W Inper Spearitish ad 5E1 6500 21 3N 1E	4EIP* 6520 20 52N OLORADO RIVER DRAINAGE	een River obove Green River	10G2* 86S0 42°S7° 10F17P 7930 32 37N 9F23* 9400 43°00°	10622* /960 34 27N 10F19* 8750 36 40N 10F15 7740 23 38N	9F21 8540 11 56N 9F21 8550 42942: 1006 8500 42933:	Rowdy Creek 110621 8300 44956* 110932. Shider Basin R.S. 10613* 8050 15 28 115W Spring Creek Divide 10620* 9000 4932 110940.	10015 8500 42046
DAINAGE BASIN WYONING ELEV. SEC. —— TYP ——— RANGE	MISSOURI RIVER DRAINAGE	155 111	11E6 71S0 1 11S SE	Yellowstrone 44044 110030 1005 8400 2400 95 1005 8400 20 1005 8400 20 1005 8400 1005 8	955 7500 44729 110704 10101 1016 7500 44729 110727 101077 7400 33 35 148	Parkers Park 9E7A 400 44044 1009'551 9E7A 400 450 450 450 450 450 450 450 450 450	10E17A* 9160 44º09: Clark's Fork	Reartooth Lake 9E10* 9275 44047 109934	906 8199 11 9S 9E7A* 9400 44º44	908 8700 18 95 9E8 7650 44°48¹	Wind Kiver 9F12 8370 29 42N 9F4* 8750 43°41	8400 19 43N 10160 33 38N 8760 27 42N	9F7 8500 9F8* 9620	9F1 7720 3 42N 109W 9F3 7900 1 43N 107W 10F9* 9580 28 44N 110W	Popo Agie River	8602 9920 25 51N 101N 8609 9909 50N 101W 963* 10100 22 25 3W	Middle Fork 865 7420 24 32M 101W Sawmill Glade 8G1 8740 3 31M 101W Sourch Prass 863 9040 13 30N 101W	9F11* 8960 26 1N 8G7* 8700 42°41'	Owl Creek 8F1* 8975 29 43N 101W	Greybull River Greybull River Kirnin 9724 9800 10 478 104W Kirnin 9724 9800 15 458 104W	Shoshone River	9E15 9/80 19 51N 10/W 9E47 7950 10 50N 103W 9E5 6960 44°29; 110°00°	Augustic Creek 9E9 8760 16 50N 103W 103W 105% 100 105% 100 100 100 100 100 100 100 100 100 10	FLAX Nowood Creek Assoc 109-499	107015' 88W	7F04 860 43°27' 100°7 7E27P 8780 31 48N 85W	7EG* 9480 6 48N 8SW 7E3S 83SO 3O 49N 8GW	56N 91W 107°34°	7E4 8120 30 53N 88W 7E23* 9580 44030 107 ⁰ 26 ¹	Porcupine Creek Five Springs Falls 7831 7620 20 56N 92W	Tongue River 786 4 53N 86W 75182 0200 400.01	56N 1070181 1070181 1070171	7E15 8450 8 55N 89W 7E36 9260 449381 1070 ₂ 31	

THE FOLLOWING ORGANIZATIONS COOPERATE IN THE WYOMING SNOW SURVEY WORK

STATE

Conservation Districts of Wyoming
State Engineer of Wyoming
Irrigation Districts of Wyoming
University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

FEDERAL

- U. S. Department of Agriculture Soil Conservation Service Forest Service
- U. S. Department of Commerce NOAA, National Weather Service
- U. S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs

PRIVATE

Teton Environmental School Utah Power and Light Company

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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